

Roll No.

Total No. of Pages : 02

Total No. of Questions : 08

**B. Architecture (Sem.-10)**  
**CONSTRUCTION MANAGEMENT – I**  
**Subject Code : BACH-1002**  
**M.Code : 74341**  
**Date of Examination : 01-07-22**

Time : 3 Hrs.

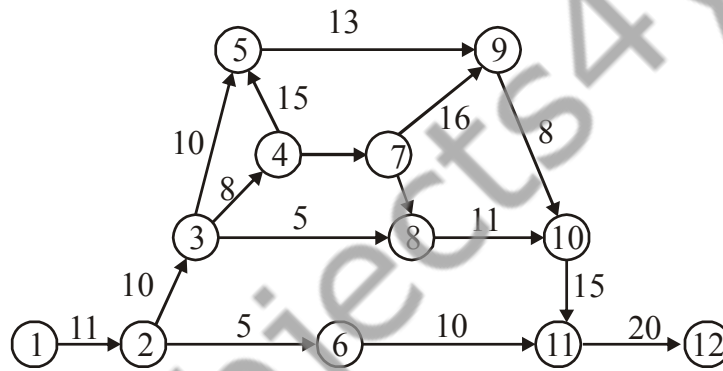
Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. **Note: Question No 1 is compulsory. Attempt 5 questions including compulsory question.**
2. **All questions carry equal marks.**

1. **Write short note on the following :** **(5×2=10)**
  - a) Differentiate between PERT and CPM.
  - b) Stages of construction.
  - c) Float
  - d) Safety measures during excavation.
  - e) Optimum cost
2. What are the objectives of construction management? Also discuss the five stages of construction activity. (12.5)
3. a) Write a note on resources required for the successful completion of construction project. (6.5)  
b) Write down the important points to be checked during inspection of brick masonry. (6)
4. Explain the need and advantages of inspection and quality control in construction works. Also discuss the stages of inspection. (12.5)
5. Write a note on the following :
  - a) Role of an architect in construction management. (6.5)
  - b) Construction team (6)

6. Discuss the following :
- Advantages of Planning in construction management. (6.5)
  - Dummy activities and their role in network. (6)
7. Write detailed notes on :
- Fire safety at construction sites (6)
  - Security of material at construction site (6.5)
8. Determine the critical path in the network shown below and calculate the earliest project completion time. Assume that project starts at zero time. Duration is in weeks. (12.5)



**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**